

IV. AMENDMENTS TO THE CLAIMS

(There are no amendments to the claims; however, for the convenience of the Examiner, all of the pending claims and appropriate status identifiers are presented below)

1. (Previously Presented) An optical receptacle for being attached to a printed board and to which an optical plug can be connected comprising:

a tubular main housing; a socket housing which is inserted and attached to the main housing;

elastic locking parts, which extend from an outer peripheral surface of the tubular main housing, locking into the printed board; and

a locking slotted pin, which extends from an outer peripheral surface of the socket housing, locking into the printed board,

wherein the locking slotted pin provides an electrical connection between the socket housing and the printed board.

2. (Previously Presented) The optical receptacle according to claim 1, wherein the main housing comprises a connection opening part into which the optical plug is inserted, and

an elastic claw extending towards the connection opening part inside the main housing, and wherein the elastic claw holds the optical plug within the main housing by engaging with the optical plug inserted from the connection opening.

3. (Previously Presented) The optical receptacle according to claim 1 or 2, wherein locking holes, into which the elastic locking parts of the main housing and the locking slotted pin of the socket housing are respectively inserted, are formed on the printed board.

4. (Previously Presented) The optical receptacle according to claim 1 or 2, wherein the socket housing is capable of storing optical elements, and made of

synthetic resin material containing conductive filler so as to provide an electrical connection between the optical elements and printed board.

5. (Original) The optical receptacle according to claim 4, wherein the conductive filler is a carbon filler.

6. (Previously Presented) The optical receptacle according to claim 3, wherein an elastic locking part has a first elastic locking part and a second elastic locking part, wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which extends from the main body so as to be engaged with a locking hole of the printed board, and
wherein the locking members are positioned so as to face each other.

7. (Previously Presented) The optical receptacle according to claim 3, wherein an elastic locking part has a first elastic locking part and a second elastic locking part, wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which extends from the main body so as to be engaged with a locking hole of the printed board, and
wherein locking members are positioned so as to oppositely face each other.

8. (Previously Presented) The optical receptacle according to claim 6, wherein a first line including a plurality of first elastic locking parts and a second line including a plurality of second elastic locking parts are aligned in parallel.

9. (Previously Presented) The optical receptacle according to claim 3, wherein the socket housing is capable of storing optical elements and made of synthetic resin material containing conductive filler so as to provide an electrical connection between the optical elements and the printed board.

10. (Previously Presented) The optical receptacle according to claim 4, wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which extends from the main body so as to be engaged with a locking hole of the printed board, and

wherein locking members are positioned so as to face each other.

11. (Previously Presented) The optical receptacle according to claim 5, wherein an elastic locking part has a first elastic locking part and a second elastic locking part, wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which extends from the main body so as to be engaged with a locking hole of the printed board, and

wherein locking members are positioned so as to face each other.

12. (Previously Presented) The optical receptacle according to claim 4, wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which extends from the main body so as to be engaged with a locking hole of the printed board; and

wherein locking members are positioned so as to oppositely face each other.

13. (Previously Presented) The optical receptacle according to claim 5, wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which extends from the main body so as to be engaged with a locking hole of the printed board; and

wherein locking members are so as to oppositely face each other.

14. (Canceled)

15. (Previously Presented) The optical receptacle according to claim 9, wherein the conductive filler is a carbon filler.

16. (Previously Presented) The optical receptacle according to claim 9, wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which projects from the main body so as to be engaged with a locking hole of the printed board, and

wherein locking members are positioned so as to face each other.

17. (Previously Presented) The optical receptacle according to claim 15, wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which projects from the main body so as to be engaged with a locking hole of the printed board, and

wherein locking members are positioned so as to face each other.

18. (Previously Presented) The optical receptacle according to claim 9,

wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which projects from the main body so as to be engaged with a locking hole of the printed board, and

wherein locking members are positioned so as to oppositely face each other.

19. (Previously Presented) The optical receptacle according to claim 15, wherein an elastic locking part has a first elastic locking part and a second elastic locking part,

wherein the first elastic locking part and the second elastic locking part respectively comprise a main body extending straight from the main housing and a locking member which projects from the main body so as to be engaged with a locking hole of the printed board, and

wherein locking members are positioned so as to oppositely face each other.